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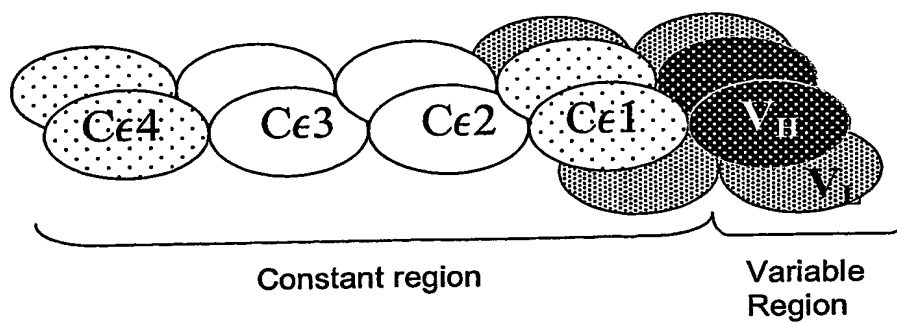


Figure 1

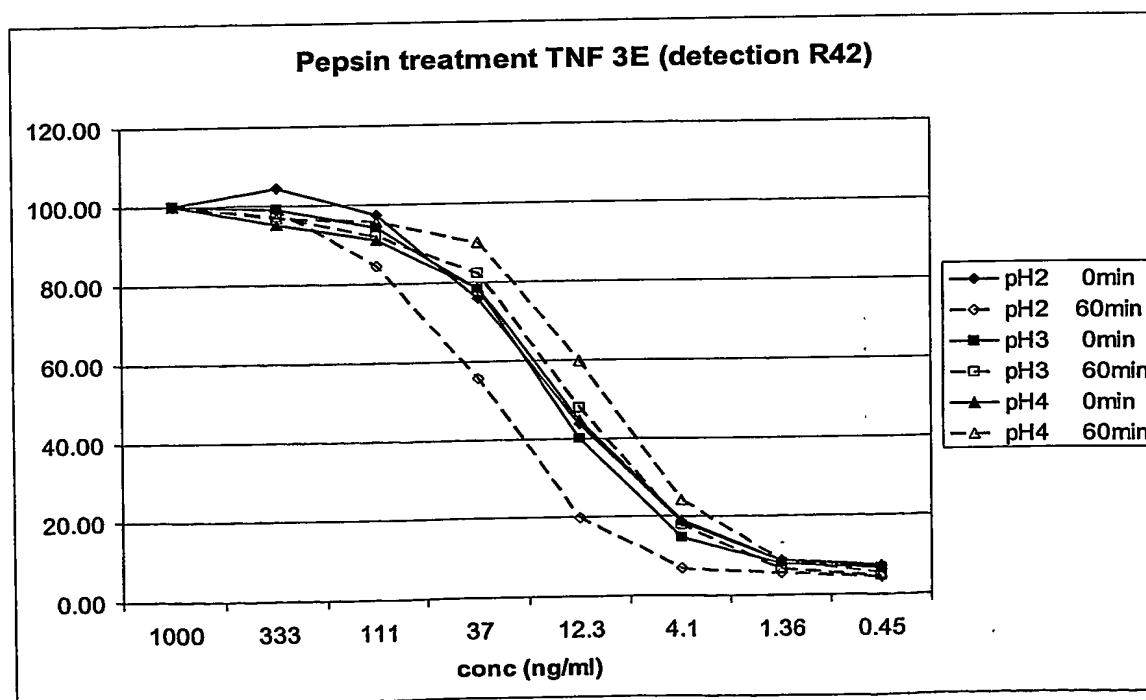
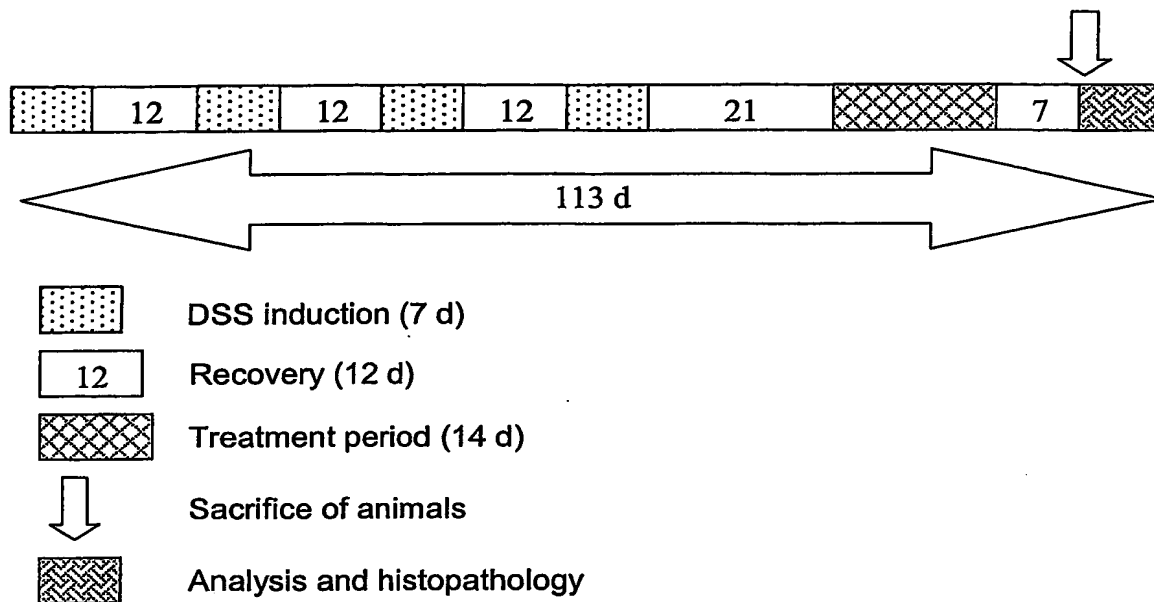


Figure 2

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DSS-induced Model of Chronic Colitis**Figure 3**

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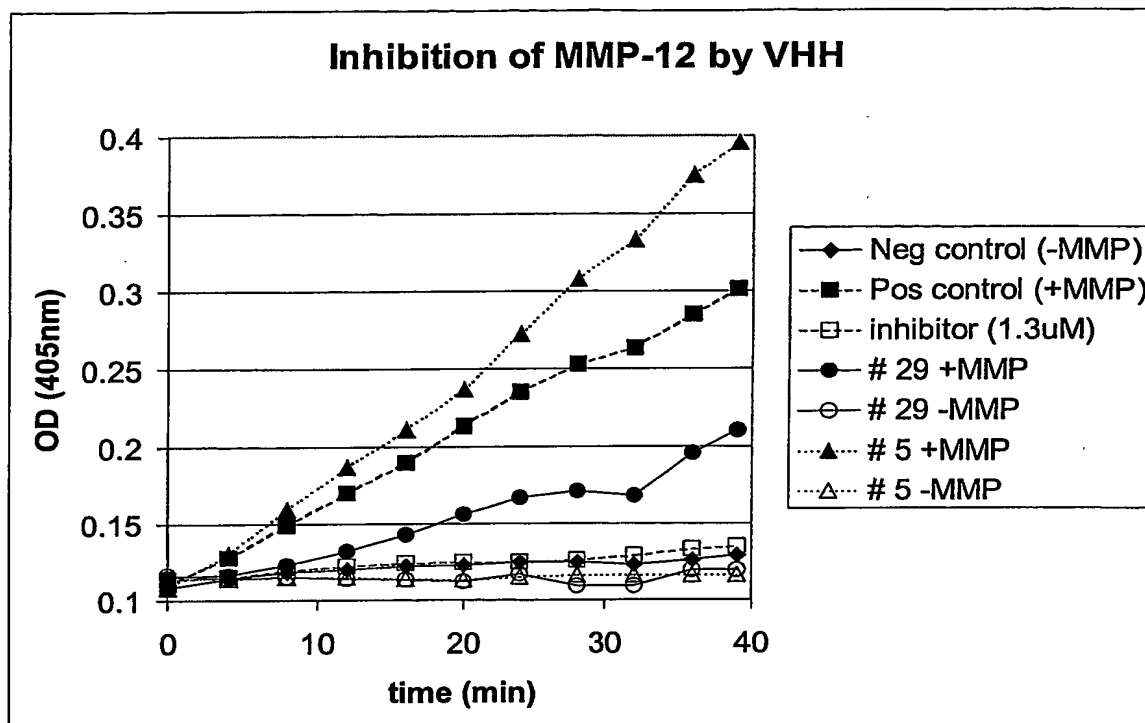


Figure 4

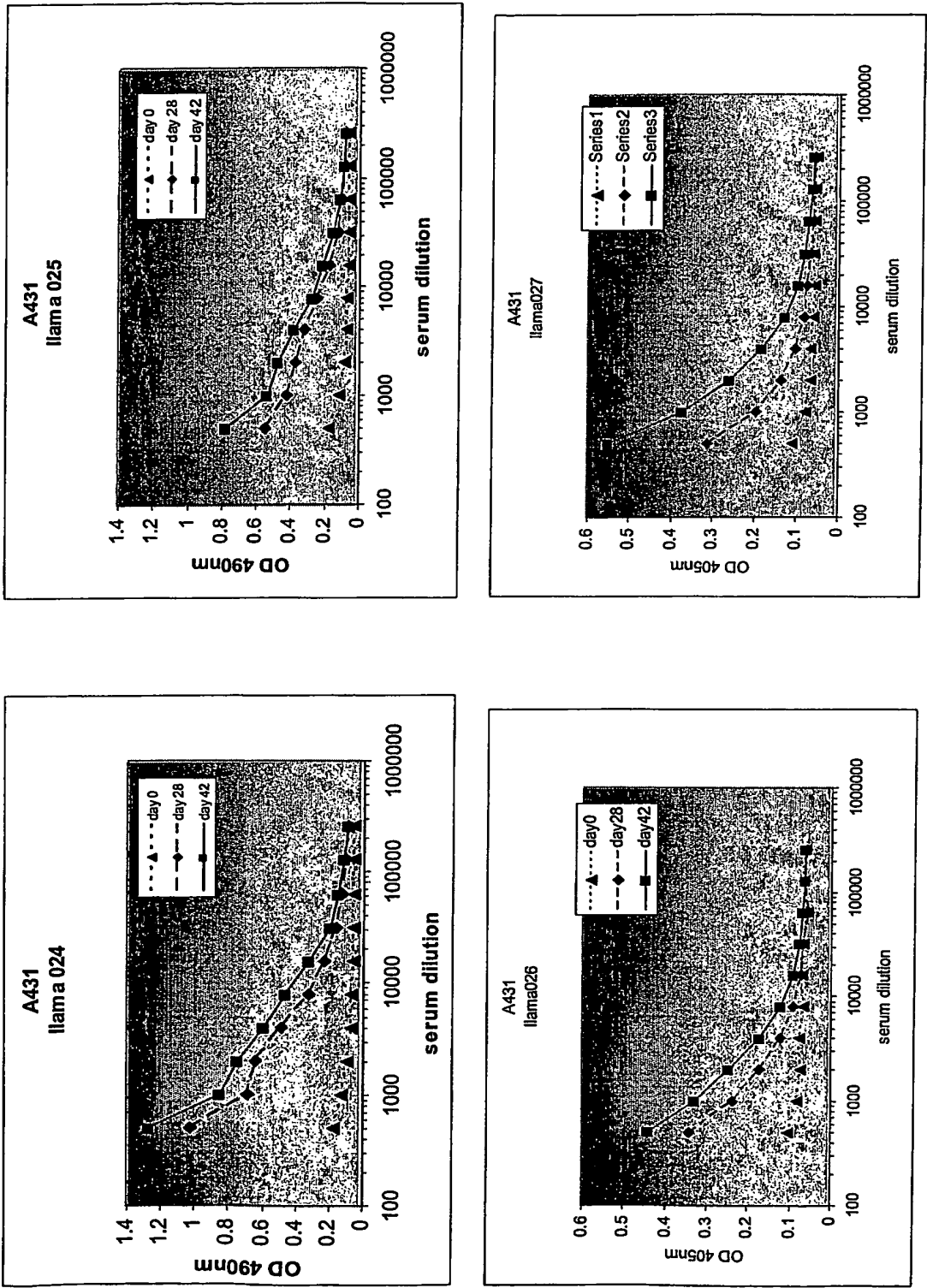


Figure 5

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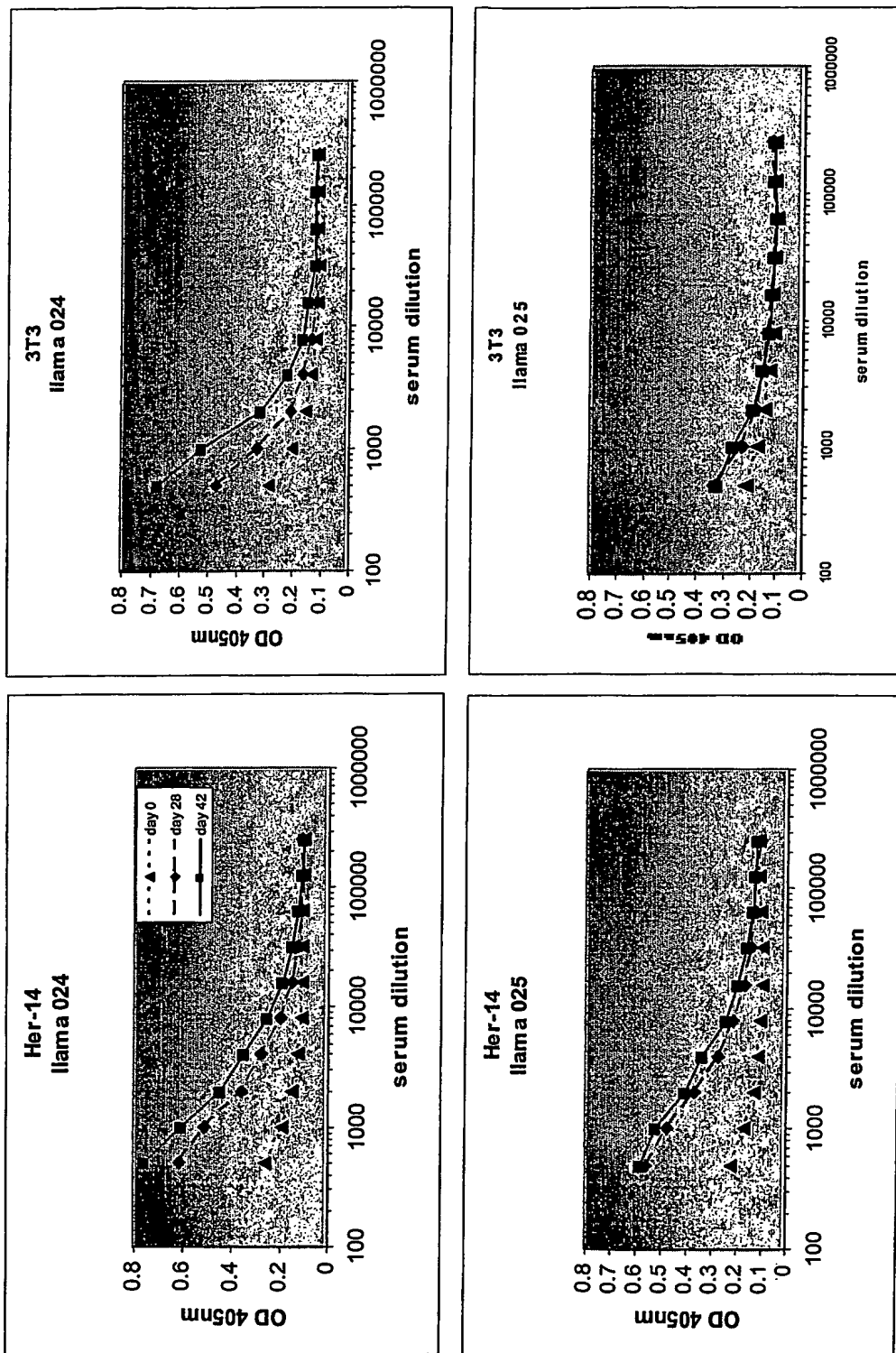


Figure 6 - 1

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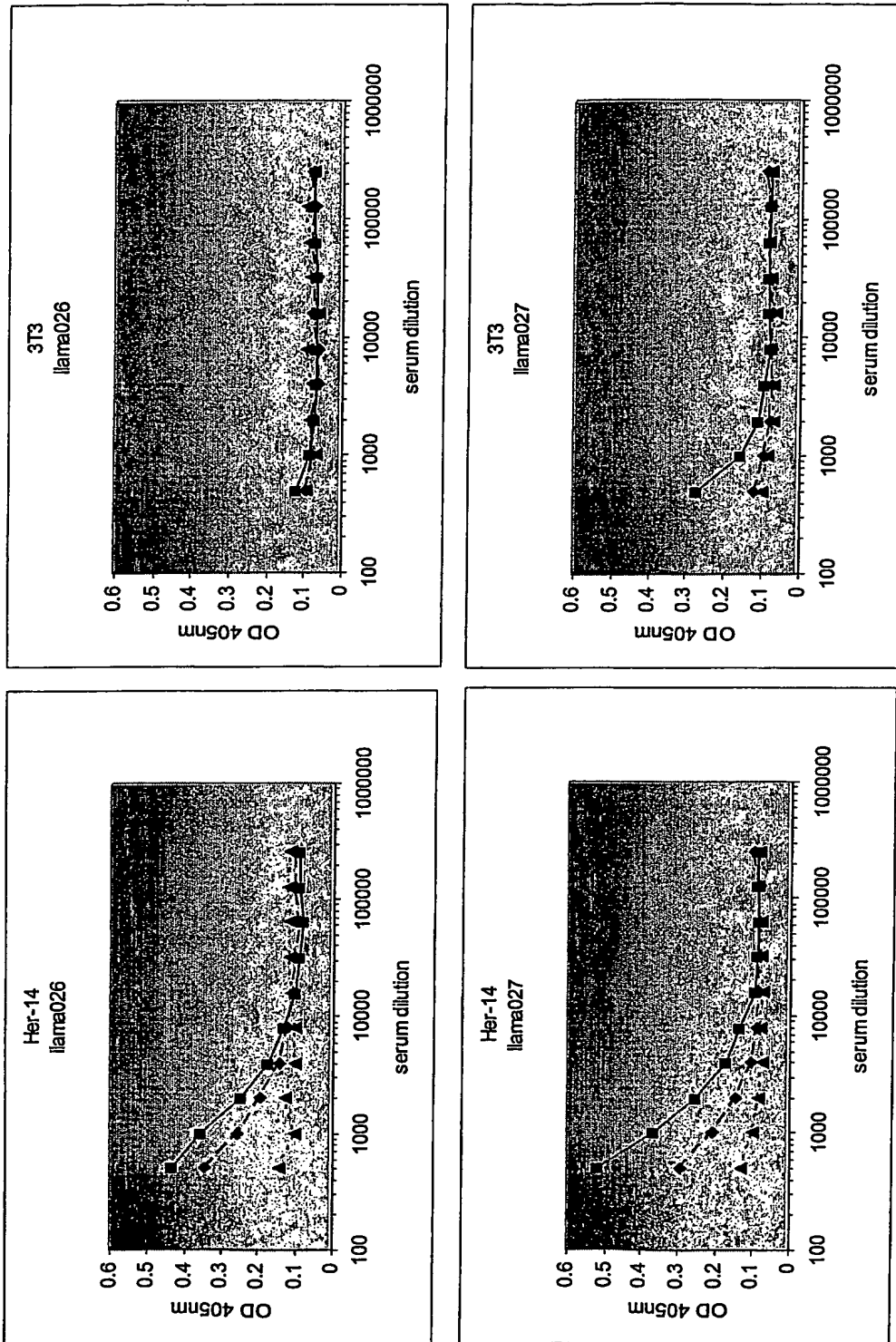


Figure 6-2

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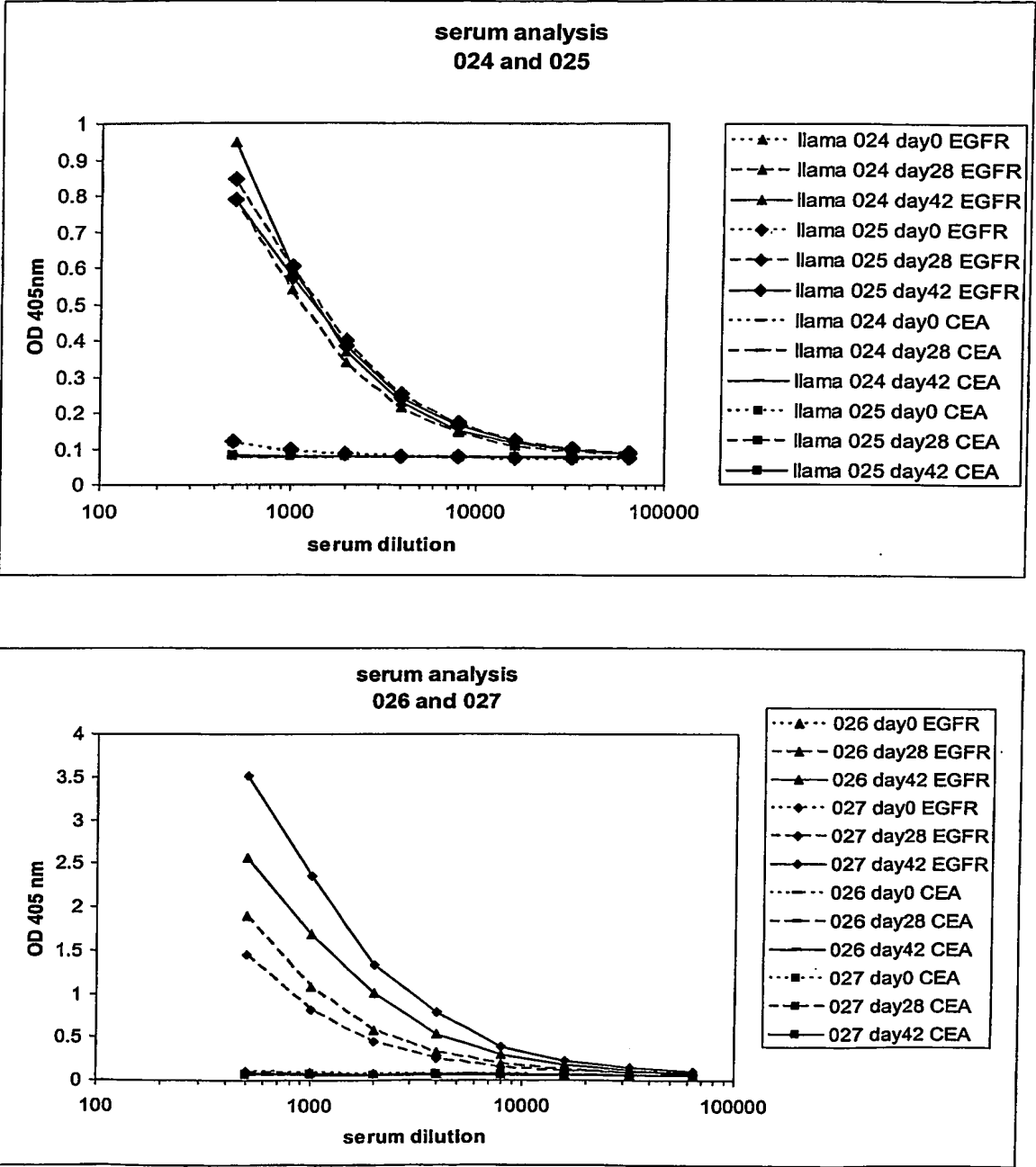


Figure 7

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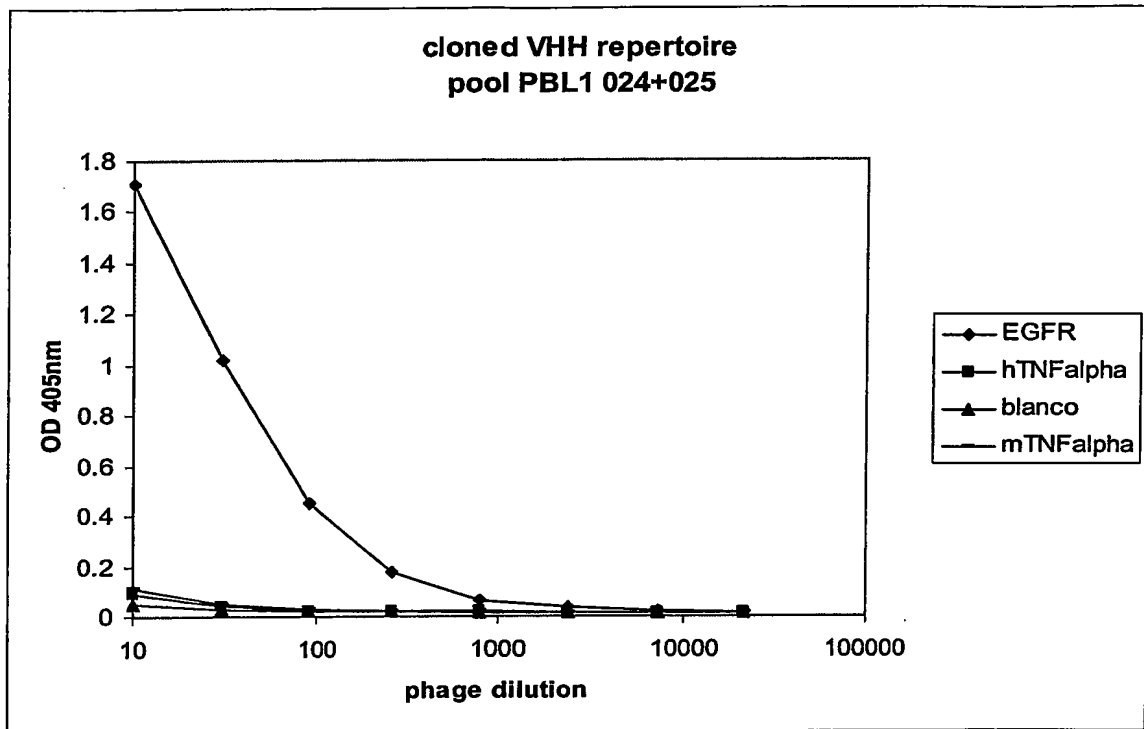


Figure 8

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	< FR1	> CDR1	< FR2	> CDR2
1.33	EVQLVESGGGLVQPGGSLRLSCAASGFTFS	SHYMS	WFRQAPGKEREFFVA	AITSSSRITYTESVKG
3.14	AVQLVESGGGLVQPGGSLRLSCAASGFTFS	SHYMS	WFRQAPGKEREFFVA	AITSSSRITYTESVKG
2.34	QVKLEESGGGLVQPGDSLRLSCAASGFTFS	SHYMS	WFRQAPGKEREFFVA	AITSSSRITYTESVKG
1.4	EVQLVESGGGLVQAGGSLRLSCAASGRFTFS	NYVMG	WFRQAPGKERDFV	GIGRSGGDNTYYADSVKG
Ia9	QVQLVESGGGLVQAGGSLRLSCAASGRFTFS	NYVMG	WFRQAPGKERDFV	GIGRSGGDNTYYADSVKG
2.20	EVQLVESGGGLVQAGGSLRLSCAASGRSFS	SYAMA	WFRQAPGKEREFFVA	AISWGGGSTYYAVSVKG
IIIa6	EVQLVESGGGLVQAGGSLRLSCAASGRSFS	SYAMA	WFRQAPGKEREFFVA	AISWGGGSTYYAVSVKG
Ia26	QVQLQESGGGSLVQAGGSLRLSCAASGRGFS	RYAMG	WFRQAPGQDREFVA	TISWTNSTDYADSVKG
IIIa42	EVQLVESGGGSLVQAGGSLRLSCAASGRSFS	TYAMG	WFRQAPGQDREFVA	TISWTDSTDYADSVKG
Ia33	QVQLQESGGGSLVQAGGSLRLSCTASGRRFS	TYAVG	WFRQAPGQDREFVA	TISWTNSTDYADSVKG
3.1	EVQLVESGGGSLVQAGGSLRLSCTASGRRFS	TYAVG	WFRQAPGQDREFVA	TISWTNSTDYADSVKG
Ia1	QVQLQESGGGLVQAGGSLRLSCAASGRFTFS	SYAMG	WFRQAPGKEREFFVA	AINWSGGSTSYADSVKG
Ia21	QVQLQESGGGLVQAGGSLRLSCAASGRFTFS	SYAMG	WFRQAPGKEREFFVA	AINWSGGSTSYADSVKG
IIIa3	QVQLQESGGGLVQAGGSLRLSCAASGRFTFS	SYAMG	WFRQAPGKEREFFVA	AINWSGGSTSYADSVKG
1.9	QVQLQESGGGLVKAGGSLRLSCAASGRFTFS	SYVMG	WFRQAPGKEREFFV	AIHWSGGRTYYADSVKG
1.34	QVQLQESGGGLVQAGGSLRLSCAASGRFTFS	KYAMG	WFRQAPGKEREFFVS	AISWSDGSTYYADSVKG
Ia10	QVQLQESGGGLVQAGGSLRLSCAASGRFTFS	KYAMG	WFRQAPGKEREFFVS	AISWSDGSTYYADSVKG
2.6	QVQLQESGGGLVQAGGSLRLSCAASGRFTFS	NYAMG	WFRQAPGKEREFFVA	AINWGGGNTYYADSVKG
3.34	QVQLQESGGGLVQAGGSLRLSCAASGRFTFS	SYAIG	WFRQAPGKEREFFVA	AISWGGSTNTYYADSVKG
1.38	QVQLQDSGGGLVQAGDSLRLSCAASGRSFG	GYAMG	WFRQAPGKEREFFVA	AISWGGSTYYADSLKG
3.32	QVQLQESGGGLVQAGGSLRLSCAASGRFTFS	GYAMG	WFRQAPGEEREFFVA	AISWRGTSTYYGDSAKG
4.43	QVQLQESGGGLVQAGGSLRLSCAASGRFTFS	GYAMG	WFRQAPGEEREFFVA	AISWRGTSTYYGDSAKG
Ia15	QVQLQDSGGGLVQAGGSLRLSCAASGGTFS	SYAMG	WFRQAPGKEREFFVA	AIGLNTYYADSVKG
Ia7	QVQLQESGGRLVQTGGSLRLSCAASGGTFG	TYALG	WFRQAPGKEREFFVA	AISRFGSTYYADSVKG
3.39	QVQLQESGGGLVQTGGSLRLSCAASGRYIM	G	WFRQAPGKEREFFVA	GISRSGASTAYADSVKD
3.40	QVKLEESGGGLVQAGGSLRLSCASGLTFS	NYAMA	WFRQAPGKEREFFVA	TISQRGGMRHYLDSVKD
4.22	QVKLEESGGGLVQAGGSLRLSCAASGSIFS	INAMG	WYRQAPGKQRELVA	RITGTGTGITGAVSTNYADSVKG
4.11	QVKLEESGGGLVQAGDSLRLSCAASGRSFS	SITMG	WFRQAPGKERQFVS	AINSNNGNRYADSVKG
4.21	EVQLVESGGGLVQAGGSLRLSCAVSGRTFS	SMG	WFRQAPGKEREFFVA	TINLSGDRDYADSVKG
IIIa5	EVQLVESGGGLVQAGGSLRLSCTASGRFTFS	SYAMG	WFRQTPGKEREFFVA	AITSSGGSTYYADSVKG
3.18	EVQLVESGGGLVQPGGSLRLSCVASGFTFA	DYAMS	WVRQAPGKGLQWVS	SISYNGDTTYAESMKD

Figure 9 - 1

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	< FR3	> .CDR3	< FR4 >
1.33	RFTISRDNAKNTVYLMNSLKSEDTAVYYCAA	DRTFYGSTWSKYDY	RGQGTQVTVSS
3.14	RFTISRDNAKNTVYLMNSLKSEDTAVYYCAA	DRTFYGSTWSKYDY	RGQGTQVTVSS
2.34	RFTISRDNAKNTVYLMNSLKSEDTAVYYCAA	DRTFYGSTWSKYDY	RGQGTQVTVSS
1.4	RFTISWDNAKNTMYLMNSLKPEDTAVYYCAA	STYSRDTIFTKWANYNY	WGQGTQVTVSS
Ia9	RFTISWDNAKNTMYLMNSLKPEDTAVYYCAA	STYSRDTIFTKWANYNY	WGQGTQVTVSS
2.20	RFTISRDNAKNTVYLMNSLKPEDTARYYCAA	DETFHSSAYGEYDY	WGQGTQVTVSS
IIIa6	RFTISRDNAKNTVYLMNSLKPEDTARYYCAA	DETFHSSAYGEYDY	WGQGTQVTVSS
Ia26	RFAISRDNAKNTAYLMNSLKPEDTAVYYCAA	DKWASSSTRSIDYDY	WGQGTQVTVSS
IIIa42	RFTISRDNAKNTGYLMNSLKPEDTAVYYCAA	DRWASSRRNVDYDY	WGQGTQVTVSS
Ia33	RFTISRDNAKNTGYLMNSLKPEDTSVYVCAA	DKWSSRRRSVDYDY	WGQGTQVTVSS
3.1	RFTISRDNAKNTGYLMNSLKPEDTSVYVCAA	DKWSSRRRSVDYDY	WGQGTQVTVSS
Ia1	RFTISRDNKTNTVYLMNSLKPEDTAAFYCAA	TYNPYSRDHYFPRMTTEYDY	WGQGTQVTVSS
Ia21	RFTISKDNTKNTVYLMNSLKPEDTAAFYCAA	TYNPYSRDHYFPRMTTEYDY	WGQGTQVTVSS
IIIa3	RFTISRDNKTNTVYLMNSLKPEDTAAFYCAA	TYNPYSRDHYFPRMTTEYDY	WGQGTQVTVSS
1.9	RFTISSDNAKNTLYLMNSLKPEDTAVYYCAA	SRIIYSYVNYVNPGEYDY	WGQGTQVTVSS
1.34	RFTISRDNAKNTVYLVNSLKPEDTAVYYCAA	TYLVDVWAVHVPIRPYEYDY	WGQGTQVTVSS
Ia10	RFTISRDNAKNTVYLVNSLKPEDTAVYYCAA	TYLVDVWAVHVPIRPYEYDY	WGQGTQVTVSS
2.6	RFTISRDNAKNTVYLMNSLKPEDTAVYYCAA	SEWGGSDYDHDYDY	WGQGTQVTVSS
3.34	RFTISRDNAKNTVYLMNSLKPEDTAVYYCAA	GEVNSNDYAYEYDY	WGQGTQVTVSS
1.38	RFTISRDNAKNTVYLMNSLKPEDTALYYCAA	GLRPSPNYNHER-SYDY	WGQGTQVTVSS
3.32	RFTISRDNAKNTVYLMNSLKPEDTAVYYCAA	GSHSDYAPDYDY	WGQGTQVTVSS
4.43	RFTISRDNAKNTVYLMNSLKPEDTAVYYCAA	GSHSDYAPDYDY	WGQGTQVTVSS
Ia15	RFTISRDNAKNTVYLMNSLKPEDTAVYYCAA	RTSGVVGGTPKRYDY	WGQGTQVTVSS
Ia7	RFTISRDNANNTVYLEMNSLKPEDTAVYYCAA	REGVALGLRNDANY	WGQGTQVTVSS
3.39	RFTISRDSALNTVYLMNSLKAEDTAVYFCAA	ALAIRLGIPRGETEYDY	WGQGTQVTVSS
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Figure 9 - 2

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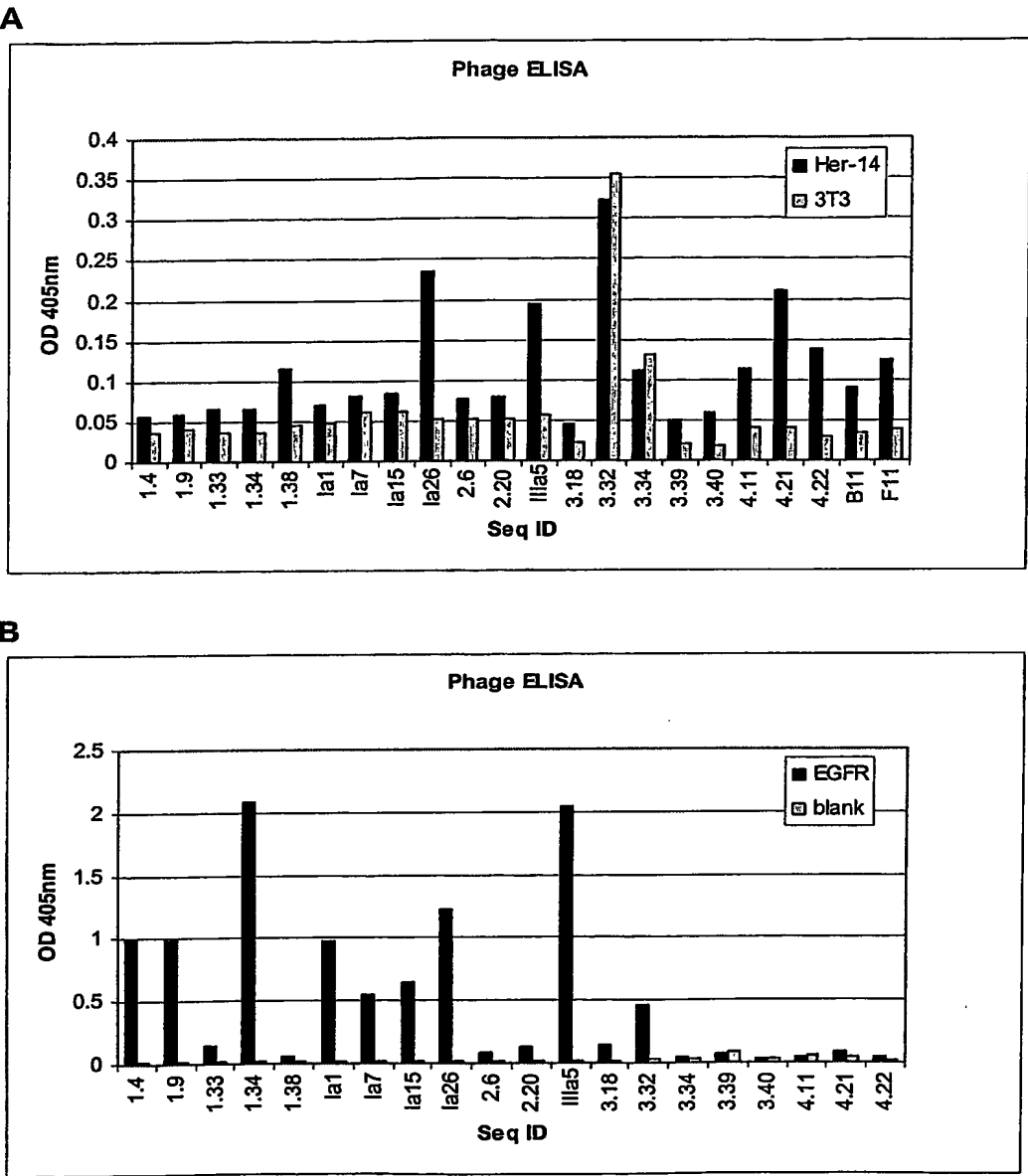
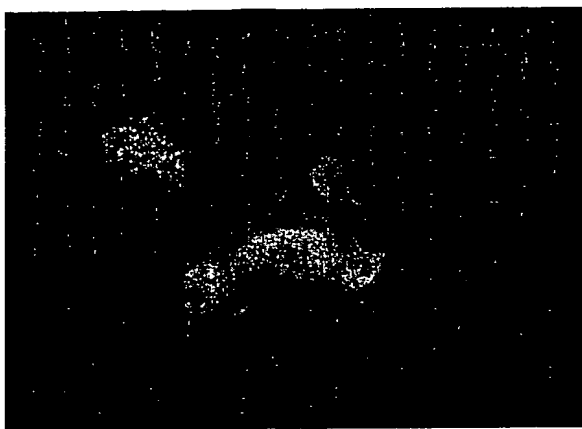


Figure 10

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A



B



Figure 11 - 1

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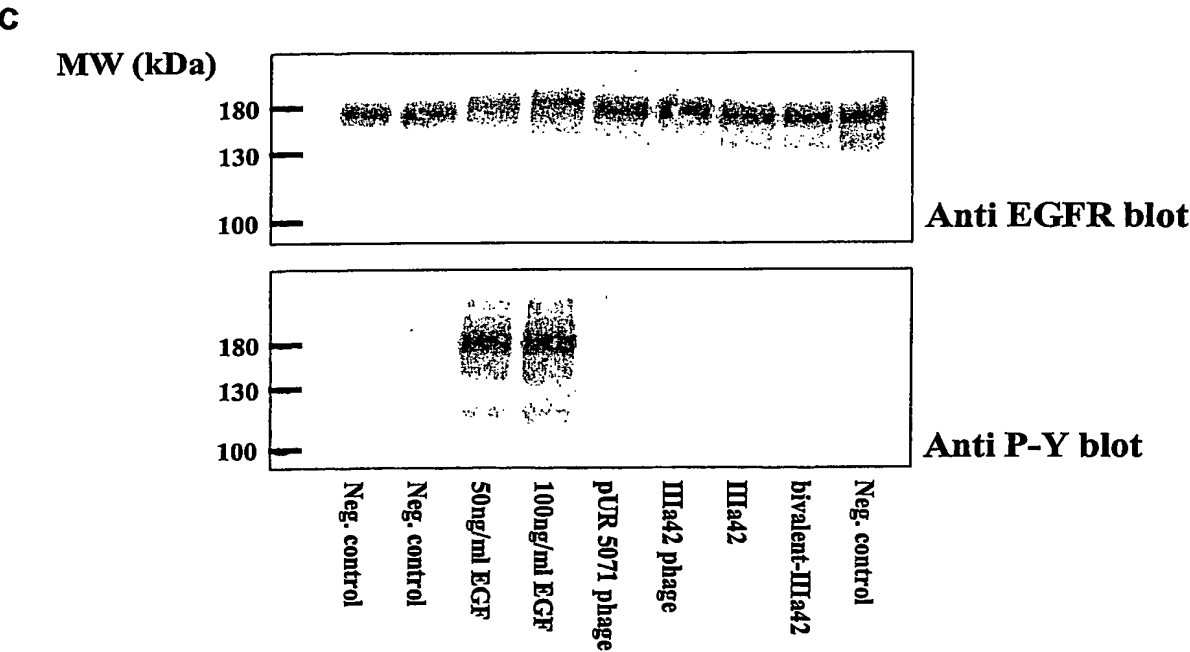


Figure 11 – 2

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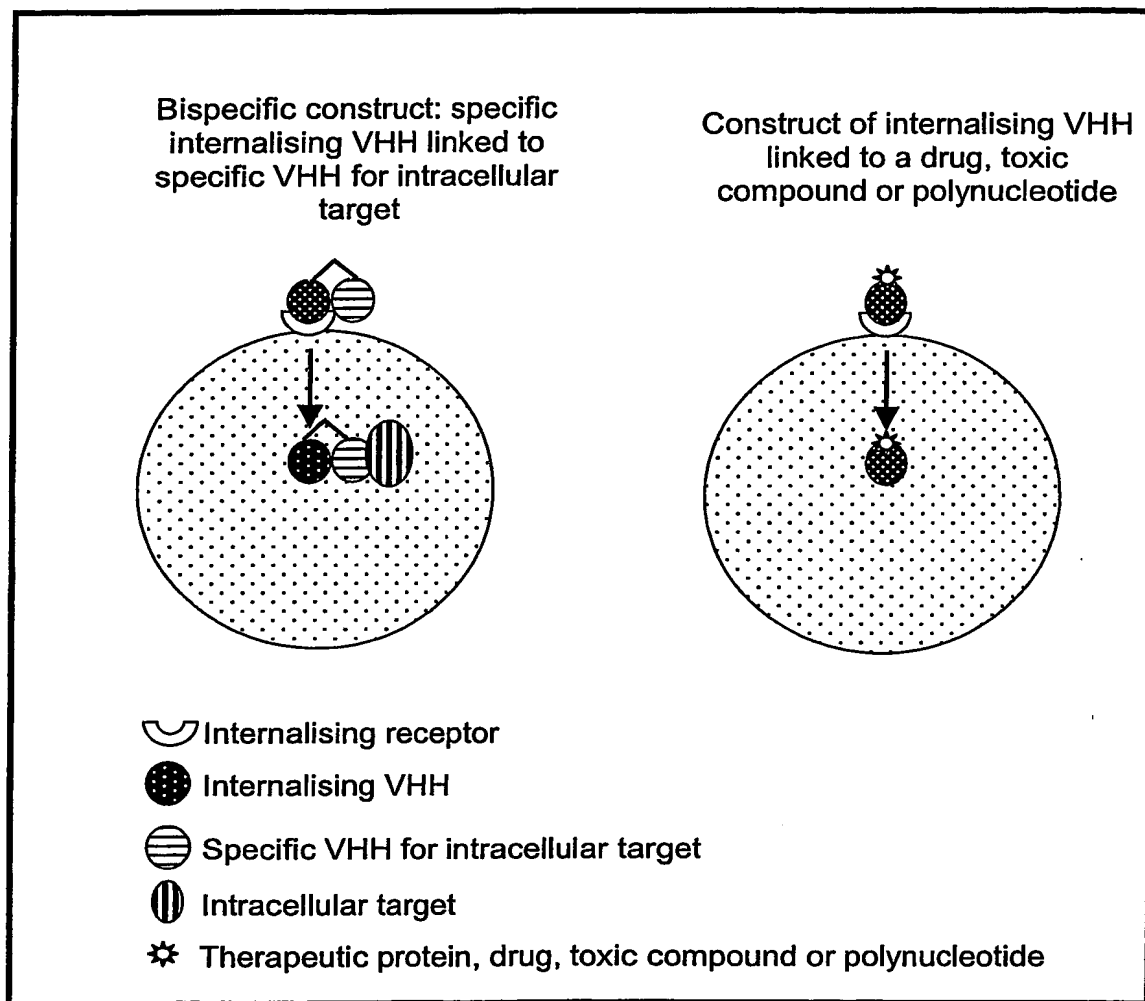


Figure 12